

**RECEIVED  
CENTRAL FAX CENTER**

**MAR 13 2006**

Application No. 10/520,995 Art Unit: 2833  
Amendment dated 13<sup>th</sup> March, 2006  
Reply to Office action of 16<sup>th</sup> December, 2005

**Amendments to the Specification:**

- (a) Please insert on page 1 line 2 after the title of the invention 'Connector' and before the paragraph starting on line 3 beginning with the words 'This invention relates to', the heading "TECHNICAL FIELD"  
As shown in the following example:-

**CONNECTOR**

**TECHNICAL FIELD**

This invention relates to an electrical connector, particularly but not exclusively for use in difficult to and/or out of reach locations.

- (b) Please insert on page 1 line 6 after the paragraph ending with the words 'out of reach locations' and before the paragraph beginning with the words 'Electrical connectors' the heading "BACKGROUND". As shown in the following example:-

This invention relates to an electrical connector, particularly but not exclusively for use in difficult to and/or out of reach locations.

**BACKGROUND**

Electrical connectors are used in a variety of domestic and industrial Applications. A number of different connectors are known and these vary from application to application, a 3-pin plug and wall socket is a typical example.

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- (c) Please insert on page 2 line 30 or before line 1 on page 3, after the paragraph ending with the words 'rotational orientation' and before the paragraph beginning with the words 'According to the present invention', the heading "SUMMARY OF INVENTION" As shown in the following example:-

A connector for a cordless kettle is described in US5971810 the disclosure of which is incorporated herein by reference. This connector, shown in Figs. 1a - 1c allow the connection between a male part 20 and female part 50 of the connector regardless of relative rotational orientation.

SUMMARY OF INVENTION

According to the present invention there is provided an electrical connector comprising a male part and a female part for engagement therewith;

- (d) On page 3 line 1, please replace the paragraph which starts with "According to the present invention" with the following amended paragraph:-

According to the present invention there is provided an electrical connector comprising a male part and a female part for engagement therewith; the male part comprising a first terminal having a circular cross section and a second terminal; the female part comprising engaging means to engage said terminals; wherein the male and female parts each comprise a magnetic portion adapted to attract the parts together to form an electrical connection [(.)] ;

- (e) On page 3 line 13, please replace the paragraph which starts with "Preferably, the connector comprises" with the following amended paragraph:-

~~Preferably, the connector comprises~~ magnetic misconnection means are provided to prevent the male and female parts from connecting in a non-concentric position [(.)] ;

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- (f) On page 3 line 17, please replace the paragraph which starts with "Preferably, the magnetic field" with the following amended paragraph:-

Preferably, wherein at least some of the magnetic field or flux emitted from at least one of the magnetic portions extends beyond the magnetic misconnection means to attract the parts together to form an electrical connection.

- (g) Please insert on page 9 line 11 after the paragraph ending with the words 'attract one another' and before the paragraph beginning with the words 'Embodiments of the present invention' the heading "BRIEF DESCRIPTION OF THE DRAWINGS".  
As shown in the following example:-

Alternatively one part of the connector may further comprise a standard bulb fitting at one end, such as a screw or bayonet, so that a bulb can be placed in that one part before the connection is made, thus allowing easier connection of the bulb to a difficult to reach or out of reach socket since the parts attract one another.

#### BRIEF DESCRIPTION OF THE DRAWINGS

Embodiments of the present invention will now be described by way of example only with reference to the accompanying drawings wherein-

- (h) Please insert on page 13 line 14, after the paragraph ending with the words 'magnet of Fig 21.' and before the paragraph beginning with the words 'A known connector' the heading "DETAILED DESCRIPTION OF THE INVENTION".  
As shown in the following example:-

**Fig. 22** is a top view of the cartridge and magnet of **Fig. 21**.

#### DETAILED DESCRIPTION OF THE INVENTION

A known connector **10** is shown in **Figs. 1a-1c** and is disclosed in more detail in US 5,971,810 the disclosure of which is incorporated herein by reference. The connector **10** comprises a male part **20** adapted to mate and form an electrical connection with a female part **50**. The male part **20** comprises a live central pin terminal **21**, and first neutral **22** and second earth **23** annular terminals.

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- (i) On page 31 line 1, please replace the paragraph which starts with ""A significant advantage"" with the following amended paragraph:-

A significant advantage of certain embodiments of the invention, such as the third and fourth embodiments, is that any brittle magnets are protected by shields making them less liable to chipping, breakage or other connection impact damage. Thus, the male 335 and female 365 magnets will never come into direct contact even when the parts 320, 350 have connected because they will remain spaced apart by the shield(s) 338. The shield(s) 338 may be made from, for example, any suitable plastic and are also preferably designed to absorb the high impact shock when the two parts engage with each other. Although providing shields 338 will reduce the magnetic attraction and strength of the connection between the magnets 335, 365 it has been found that this does not prevent the male and female parts, such as the parts 320, 350, seeking and locating with each other. Moreover, less metallic dust or debris will be attracted into the connector 300, 400 if the magnets are spaced away from the outer periphery of the parts 320, 350.